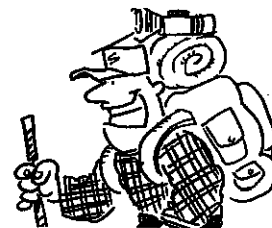


# Why Did the Backpacker Carry a Flashlight?



Write the exercise letter in the box containing the number of the answer.

Find the greatest common factor.

**E**  $10x + 35$

**O**  $4x^2 - 15x$

**A**  $20x^2 + 36x$

**H**  $11x^3 - 2x^2$

**T**  $24x^3 - 64x^2 + 40x$

**S**  $60x^4 + 70x^3 - 10x^2$

answers **21**  $5x^3$

**28**  $4x$

**7**  $8x$

**19**  $5$

**3**  $2x^2$

**24**  $10x^2$

**12**  $x$

**17**  $x^2$

Find the greatest common factor.

**D**  $10a^2b + 16ab^2$

**E**  $11a^3b - 2a^2b^4$

**H**  $36a^4 + 27a^3b$

**A**  $3a^2b^2 + 18ab^3 - 33b^4$

**I**  $4a^4b^2 - 9a^3b^3 + a^2b^4$

**N**  $75a^5b^3 + 30a^3b^5 - 60ab^7$

answers **2**  $a^2b$

**5**  $3b^2$

**27**  $a^4b$

**20**  $15ab^3$

**22**  $9a^3$

**9**  $2ab$

**15**  $a^2b^2$

**4**  $5ab^2$

Simplify the expression.

**O**  $\frac{8t + 12}{4}$

**T**  $\frac{2t^2 - 9t}{t}$

**E**  $\frac{15t^2 + 20t}{5t}$

**I**  $\frac{6t^3 - 11t^2}{t^2}$

**H**  $\frac{4t^3 + 18t^2 - 10t}{2t}$

**L**  $\frac{-9t^4 - 60t^3 + 3t^2}{-3t^2}$

Simplify the expression.

**W**  $\frac{8a^2b + 3ab^2}{ab}$

**D**  $\frac{12ab^2 - 40a^2b}{4ab}$

**G**  $\frac{7a^5b^4 + 49a^4b^5}{7a^2b}$

**N**  $\frac{-10a^3b + 30ab^3}{-2ab}$

**L**  $\frac{18a^7b^5 + 45a^5b^3 + 9a^3b}{9a^3b}$

**T**  $\frac{15a^4b^4 - 3a^4b^5 - 6a^3b^6}{3a^2b^3}$

answers **23**  $6t - 11$  **14**  $3t^2 + 20t - 1$

**10**  $3t - 11$  **11**  $2t - 9$

**27**  $2t + 3$  **25**  $3t^2 - 10t - 1$

**8**  $3t + 4$  **1**  $2t^2 + 9t - 5$

answers **16**  $a^3b^3 + 7a^2b^4$  **18**  $5a^2b - a^2b^2 - 2ab^3$

**4**  $8a + 3b$  **21**  $2a^4b^2 + 5ab^2 + 1$

**6**  $5a^2 - 15b^2$  **26**  $2a^4b^4 + 5a^2b^2 + 1$

**29**  $3b - 10a$  **13**  $5a^2b - 2a^2b^4 + ab^3$

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
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